



National Transportation Safety Board Aviation Accident Data Summary

Location:	MARSHALL, MI	Accident Number:	CHI91LA036
Date & Time:	12/01/1990, 1330 EST	Registration:	N761LZ
Aircraft:	CESSNA T210M	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

WHILE ATTEMPTING TO LAND IN A GUSTY, CROSSWIND, THE STUDENT PILOT LOST CONTROL DURING THE ROLLOUT. THE AIRCRAFT CARTWHEELED, THEN FLIPPED INVERTED.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: DIRECTIONAL CONTROL NOT MAINTAINED BY THE PIC.

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER

Phase of Operation: LANDING - ROLL

Findings

1. (F) WEATHER CONDITION - GUSTS
2. (F) WEATHER CONDITION - CROSSWIND
3. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
4. (F) LACK OF TOTAL EXPERIENCE - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: LANDING - ROLL

Occurrence #3: NOSE OVER

Phase of Operation: OTHER

Pilot Information

Certificate:	Student	Age:	53
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	
Flight Time:	60 hours (Total, all aircraft), 50 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N761LZ
Model/Series:	T210M T210M	Engines:	1 Reciprocating
Operator:	VACCARO, THOMAS	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	TSIO-520-R
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	BTL, 953 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 25000 ft agl	Wind Speed/Gusts, Direction:	14 knots / 18 knots, 240°
Temperature:	-18° C	Visibility	20 Miles
Precipitation and Obscuration:			
Departure Point:	BATTLE CREEK, MI (BTL)	Destination:	

Airport Information

Airport:	BROOKS FIELD (5D8)	Runway Surface Type:	Asphalt
Runway Used:	28	Runway Surface Condition:	Dry
Runway Length/Width:	3500 ft / 75 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Latitude, Longitude:

Administrative Information

Investigator In Charge (IIC):	JOHN R HRUBAN	Adopted Date:	10/02/1992
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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